

Figure 1

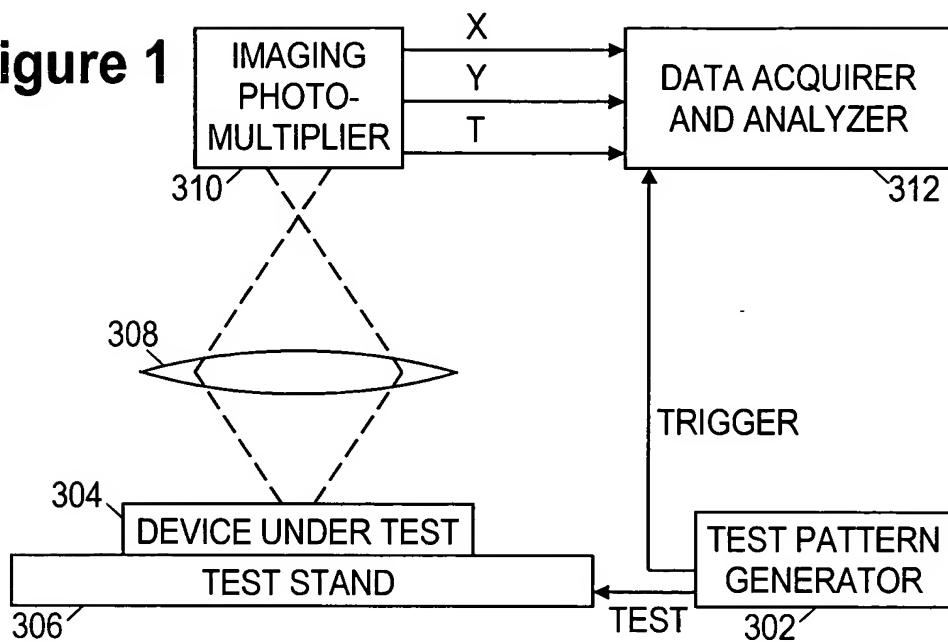
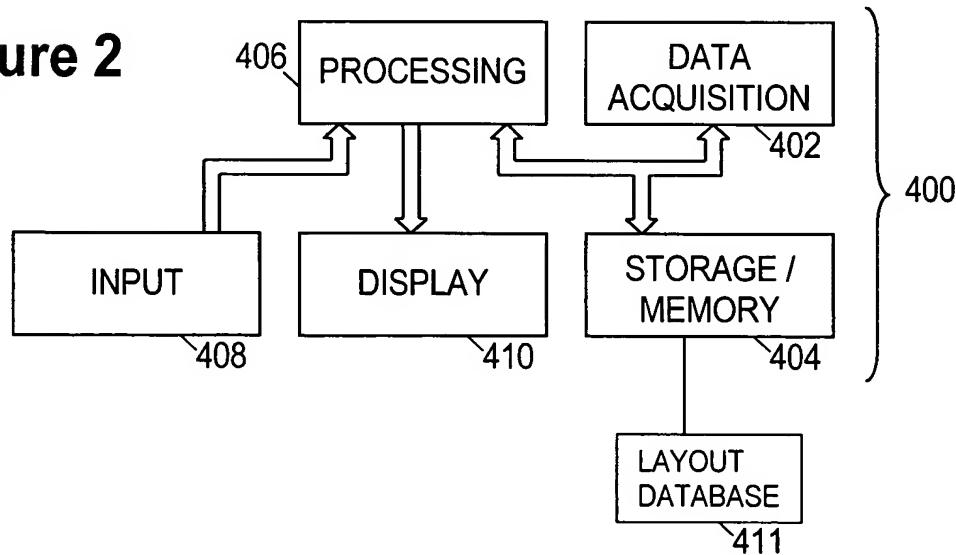


Figure 2



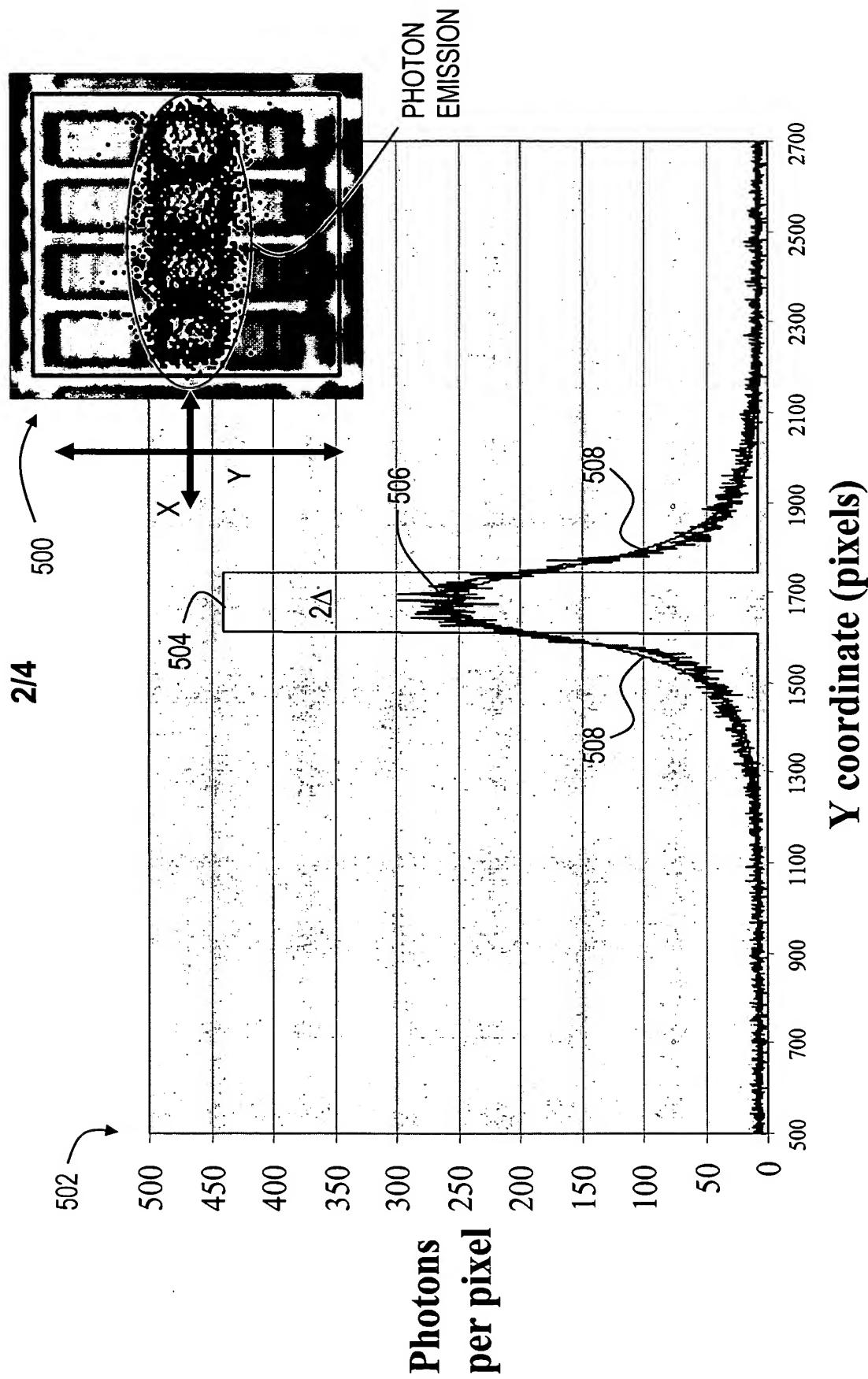


Figure 3

3/4

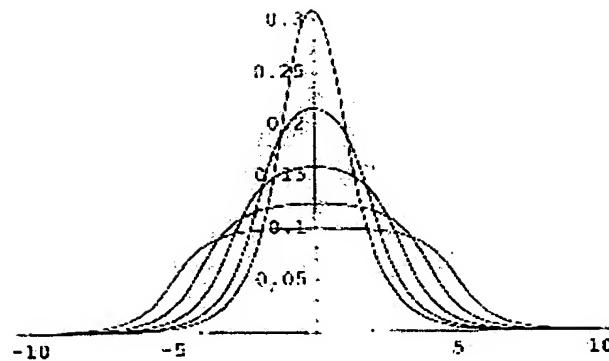
600

```

LaplaceCDFdiff = Compile[{a, b, Δ}, Module[
(* Computes F[b,Δ] - F[a,Δ] where F is the Laplace CDF *)
(* John Kitchin, HP *)
(* Underlying Laplace PDF is Exp[-Abs[t]]/2, so scale factor = 1 *)
(* Underlying Uniform is Uniform on [-Δ, Δ] *)
(* so Δ is in units of the Scale Factor *)
{x = e^a,
s = e^b,
t = e^Δ,
q},
u = t^2;
q = 4 Δ t;
If[b < -Δ, If[a < -Δ, (s - r) (-1 + t^2),
If[a < Δ, -s - 1/r + r + s t^2 - 2 t (a + Δ), -1 - s r + t^2 + s x t^2 - 4 x t Δ],
If[b < Δ, If[a < -Δ, 1/s - s + r - r t^2 + 2 t (b + Δ), If[a < Δ, 1/s - s - 1/r + r + 2 (b - a) - 1 + s/r - s r + t^2 - 2 r t (Δ - b),
-1 + s/r - s r + t^2 - 2 r t (Δ - b)],
If[a < -Δ, 1/s + r - t^2/s - r t^2 + 4 t Δ,
If[a < Δ, 1/s - 1/r + r - t^2/s + 2 t (Δ - a), (s - r) (-1 + t^2)]]]]]]/q
]]

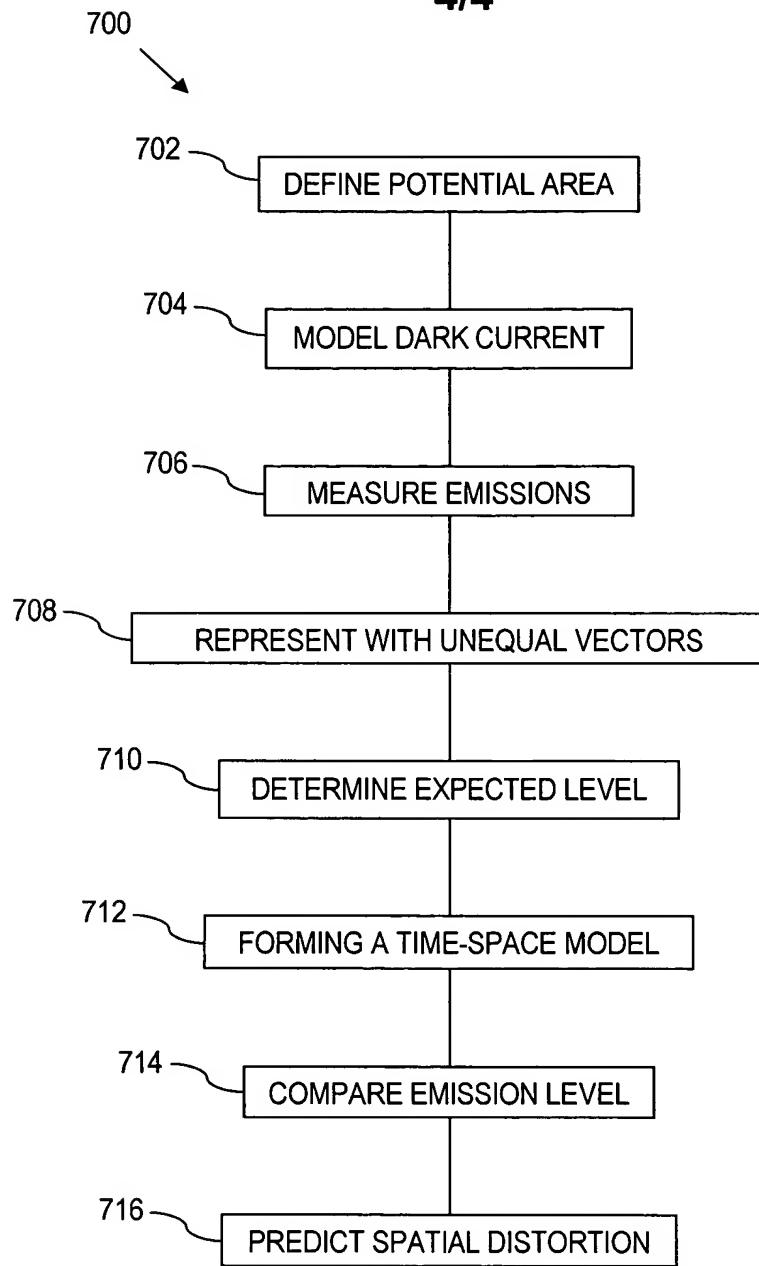
```

Figure 4A



- Graphics -

Figure 4B

4/4**Figure 5**